

In the Abstract

Please replace the abstract with the following amended abstract. A clean copy of the amended abstract is provided on a separate sheet as required.

~~Disclosed is-a~~ A microcontroller, comprising: a clock input pin, wherein an input signal from the external circuit is inputted; a clock generator for generating a clock signal by receiving a signal from the clock input pin; a clock output pin for receiving an output signal of the clock generating block means and outputting the output signal; a first switch for transmitting an internal signal of a microcontroller to the clock output pin for using the clock output pin ~~is~~ in a system mode; and a second switch, which is enabled when the clock generating block means is operated in the clock generation mode and disabled when the microcontroller is operated in the system mode.

ABSTRACT OF THE DISCLOSURE

A microcontroller, comprising: a clock input pin, wherein an input signal from the external circuit is inputted; a clock generator for generating a clock signal by receiving a signal from the clock input pin; a clock output pin for receiving an output signal of the clock generating block and outputting the output signal; a first switch for transmitting an internal signal of a microcontroller to the clock output pin for using the clock output pin is in a system mode; and a second switch, which is enabled when the clock generating block is operated in the clock generation mode and disabled when the microcontroller is operated in the system mode.